

Express Mail Label No.: EL831676226US
Date of Deposit: November 28, 2001

11/29/01
Gan 1646
Attorney Docket No.: 15966-789 (Cura-289)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

NOV 30 2001

#6 TECH CENTER 1600/2900

APPLICANTS : Padigaru et al.

SERIAL NUMBER : 09/844,861

EXAMINER : Not Yet Assigned

FILING DATE : April 27, 2001

ART UNIT : 1646

FOR : Novel Proteins and Nucleic Acids Encoding Same

BOX IDS

Assistant Commissioner for Patents
Washington, D.C. 20231

30623

PATENT TRADEMARK OFFICE

TRANSMITTAL LETTER


Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (2 pages), in duplicate;
3. Copies of cited references C1-C30; and
4. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any additional fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 15966-789 (Cura-289). A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,


Ivor R. Elmi, Reg. No. 39,529
Cynthia A. Kozakiewicz, Reg. No. 42,764
Attorneys for Applicant
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
Tel: (617) 542-6000
Fax: (617) 542-2241

Dated: November 28, 2001

Express Mail Label No.: EL831676226US
Date of Deposit: November 28, 2001

Attorney Docket No.: 15966-789 (Cura-289)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

NOV 30 2001

TECH CENTER 1600/2900

APPLICANT(S): Padigaru et al.

SERIAL NO.: 09/844,861

FILING DATE: April 27, 2001

FOR: Novel Proteins and Nucleic Acids Encoding Same


Box IDS

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

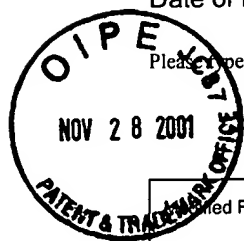
Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is believed required. A copy of each of the references is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 Reference No. 15966-789 (Cura-289).

Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529
Cynthia A. Kozakiewicz, Reg. No. 42,764
Attorneys for Applicants
c/o MINTZ, LEVIN, COHN, FERRIS
GLOVSKY AND POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
Tel: (617) 542-6000
Fax: (617) 542-2241

Dated: November 28, 2001



Please type a plus sign (+) in this box



Approved for use through 9/30/00. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/844,861
	Filing Date	04/27/01
	First Named Inventor	Padigaru
	Group Art Unit	1646
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	15966-789 (Cura-289)

TECH CENTER 1600/2900

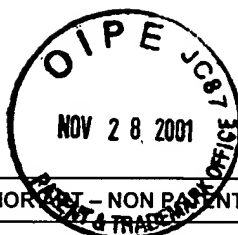
NOV 30 2001

RECEIVED

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1						

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No	
	B1					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1 ✓	Asai, H. et al. (1996). "Genomic structure and transcription of a murine odorant receptor gene: differential initiation of transcription in the olfactory and testicular cells." <i>Biochem. and Biophys. Res. Comm.</i> <u>221</u> : 240-247.
	C2 ✓	Ben-Arie, N. et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." <i>Hum. Mol. Genet.</i> <u>3</u> (2): 229-235.
	C3 ✓	Bulger, M. et al. (1999). "Conservation of sequence and structure flanking the mouse and human beta-globin loci: the beta-globin genes are embedded within an array of odorant receptor genes." <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>96</u> : 5129. SWALL (SPTR) Accession Number: Q9WVD9
	C4 ✓	Bulger, M. et al. (1999). "Conservation of sequence and structure flanking the mouse and human beta-globin loci: the beta-globin genes are embedded within an array of odorant receptor genes." <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>96</u> : 5129. GenBank Accession Number: Q9Y5P1
	C5 ✓	Courtney, L. et al. (1999). Direct Submission. GenBank Accession Number: O95013
	C6 ✓	Feingold, E. et al. (1999). "An olfactory receptor gene is located in the extended human beta-globin gene cluster and is expressed in erythroid cells." <i>Genomics</i> <u>61</u> : 15. SWALL (SPTR) Accession Number: Q9UKL2
	C7 ✓	Issel-Tarver, L. and Rine, J. (1996). "Organization and expression of canine olfactory receptor genes." <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>93</u> (20): 10897-10902. GenBank Accession Number: Q95156
	C8 ✓	Issel-Tarver, L. and Rine, J. (1996). Direct Submission. GenBank Accession Number: Q13606
	C9 ✓	Issel-Tarver, L. and Rine, J. (1996). Direct Submission. GenBank Accession Number: Q13607
	C10 ✓	Issel-Tarver, L. and J. Rine (1996). "Organization and expression of canine olfactory receptor genes." <i>Proc Natl Acad Sci U S A</i> <u>93</u> (20): 10897-10902.
	C11 ✓	Krautwurst, D. et al. (1998). "Identification of ligands for olfactory receptors by functional expression of a receptor library." <i>Cell</i> <u>95</u> (7): 917-926.
	C12 ✓	Lane, R. et al. (2000). "Genomic Analysis of Orthologous Mouse and Human olfactory receptor Loci Indicates Cluster Stability Yet Minimal Conservation Beyond the Coding Sequence." Direct Submission. SWALL (SPTR) Accession Number: Q9EP67



RECEIVE

NOV 30 2001

TECH CENTER 1600/290

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C13	Leibovici, M. et al. (1996). "Avian olfactory receptors: differentiation of olfactory neurons under normal and experimental conditions." <i>Dev. Biol.</i> <u>175</u> : 118. SWALL (SPTR) Accession Number: Q90808
	C14	Malnic, B. et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> <u>96</u> (5): 713-723.
	C15	Malnic, B. et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> <u>96</u> : 713. SWALL (SPTR) Accession Number: Q9WU89
	C16	Malnic, B. et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> <u>96</u> : 713. SWALL (SPTR) Accession Number: Q9WU93
	C17	Malnic, B. et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> <u>96</u> (5): 713-723. GenBank Accession Number: AF121979
	C18	"Olfactory Receptor 1; OLFR1." Online Mendelian Inheritance in Man (OMIM): Accession Number: 164342 (downloaded 11/12/01)
	C19	Parmentier, M. et al. (1992). "Expression of members of the putative olfactory receptor gene family in mammalian germ cells." <i>Nature</i> <u>355</u> (6359): 453-455.
	C20	Rost, B. et al. (1996). "Topology prediction for helical transmembrane proteins at 86% accuracy." <i>Protein Sci</i> <u>5</u> (8): 1704-1718.
	C21	Rouquier, S. et al. (1999). "Sequence and chromosomal localization of the mouse ortholog of the human olfactory receptor gene 912-93." <i>Mamm. Genome</i> <u>10</u> : 1172. SWALL (SPTR) Accession Number: Q9QY00
	C22	Rouquier, S. et al. (1998). "A gene recently inactivated in human defines a new olfactory receptor family in mammals." <i>Hum Mol Genet</i> <u>7</u> (9): 1337-1345.
	C23	Smith, S. (1999). Direct Submission. SWALL (SPTR) Accession Number: Q9Y3N9
	C24	Thomas, M. et al. (1996). "Chemoreceptors expressed in taste, olfactory and male reproductive tissues." <i>Gene</i> <u>178</u> (1-2): 1-5.
	C25	Tsuboi, A. et al. (1999). "Olfactory neurons expressing closely linked and homologous odorant receptor genes tend to project their axons to neighboring glomeruli on the olfactory bulb." <i>J. Neurosci.</i> <u>0</u> : 0. SWALL (SPTR) Accession Number: Q9R0K3
	C26	Tsuboi, A. et al. (1999). "Olfactory neurons expressing closely linked and homologous odorant receptor genes tend to project their axons to neighboring glomeruli on the olfactory bulb." <i>J. Neurosci.</i> <u>0</u> : 0. SWALL (SPTR) Accession Number: Q9R0K4
	C27	Vanderhaeghen, P. et al. (1997). "Specific repertoire of olfactory receptor genes in the male germ cells of several mammalian species." <i>Genomics</i> <u>39</u> (3): 239-246.
	C28	Walensky, L. et al. (1998). "Two novel odorant receptor families expressed in spermatids undergo 5'-splicing." <i>J Biol Chem</i> <u>273</u> (16): 9378-9387.
	C29	Wu, T. et al. (1999). "Minimal-risk scoring matrices for sequence analysis." <i>J Comput Biol</i> <u>6</u> (2): 219-235. (ABSTRACT ONLY)
	C30	Xie, S. et al. (2000). "Characterization of a cluster comprising approximately 100 odorant receptor genes in mouse." <i>Mamm Genome</i> <u>11</u> (12): 1070-1078.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.